



SCRAMBLING UNIT FOR A DIGITAL TRANSMISSION SYSTEM

ABSTRACT

A digital audiovisual transmission system, including a multiplexer, and a scrambling unit physically separate from the multiplexer, wherein the scrambling unit includes an input for receiving an assembled transport packet stream from the physically separate multiplexer, a scrambling device for scrambling the received transport stream according to a randomizing control word, and an output for sending the scrambled transport stream to a transmitter means for subsequent transmission, the scrambling of the transport packet stream by the scrambling unit being independent of the multiplexer operations.